

**What is claimed is:**

- 1           1.    A method for controlling a positioning  
2   device of an internal combustion engine, the method  
3   comprising the steps of:  
4           detecting a commanded position of said  
5   positioning, device;  
6           detecting a sensed position of said positioning  
7   device;  
8           forming a dynamic feedforward term based upon  
9   said commanded position; and  
10          forming a control action based upon said dynamic  
11   feedforward term.
- 1           2.    The method as recited in claim 1, further  
2   comprising the step of enabling said dynamic  
3   feedforward term for a first encountered step change  
4   in throttle position command.
- 1           3.    The method as recited in claim 2, further  
2   comprising the step of disabling said dynamic  
3   feedforward term after said step change in throttle  
4   position command.
- 1           4.    The method as recited in claim 3, further  
2   comprising the step of re-enabling said dynamic  
3   feedforward term for a large step.
- 1           5.    The method as recited in claim 4, wherein  
2   said large step comprises a step larger than 0.75  
3   degrees.

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1           6.    The method as recited in claim 4, further  
2    comprising the step of re-enabling said dynamic  
3    feedforward term when no step input changes for a  
4    predetermined period of time.

1           7.    The method as recited in claim 6, said  
2    predetermined period of time is approximately sixteen  
3    milliseconds.

1           8.    The method as recited in claim 7, further  
2    comprising the step of re-enabling said dynamic  
3    feedforward term when a requested step input changes  
4    sign.

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